

Seminários do Centro de Ciências das Imagens e Física Médica HCFMRP



Prof. Dr. Rangaraj Mandayam Rangayyan

Universidade de Calgary, Canadá

Seminars on Medical Image Analysis for Computer-aided Diagnosis

Evento aberto ao público, sem necessidade de inscrição prévia

Sala de aula do Laboratório de Bioengenharia da FMRP

Rua Pedreira de Freitas, casa 01 – Campus USP

Seminários:

- Data: 14 de outubro de 2019; 15h-18h
 - **Analysis of Shape in Biomedical Images**
- Data: 15 de outubro de 2019; 16h-18h
 - **Classification of Benign and Malignant Vertebral Compression Fractures in Magnetic Resonance Images**
- Data: 21 de outubro de 2019; 16h-18h
 - **Computer-aided Diagnosis of Retinopathy of Prematurity**
- Data: 22 de outubro de 2019; 16h-18h
 - **Fractal Analysis of Breast Masses in Mammograms**

Coordenação/Informações:

Prof. Dr. Paulo Mazzoncini de Azevedo Marques (pmarques@fmrp.usp.br)

Prof. Dr. Marcello Henrique Nogueira Barbosa (marcello@fmrp.usp.br)

Realização:

Programa de Pós-Graduação Interunidades em Bioengenharia EESC/FMRP/IQSC

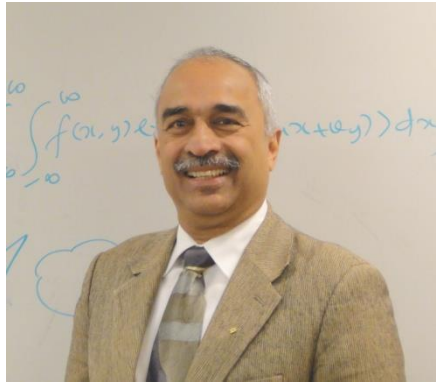
Programa de Pós-Graduação em Ciências da Saúde Aplicadas ao Aparelho Locomotor FMRP

Apoio:



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Dr. Rangaraj M. Rangayyan is Professor Emeritus of Electrical and Computer Engineering at the University of Calgary, Calgary, Alberta, Canada. He received the Bachelor of Engineering degree in Electronics and Communication Engineering in 1976 from the University of Mysore at the People's Education Society College of Engineering, Mandya, Karnataka, India, and the Ph.D. in Electrical Engineering from the Indian Institute of Science, Bangalore, Karnataka, India, in 1980. He served the University of Manitoba, Winnipeg, Manitoba, Canada and the University of Calgary in research, academic, and administrative positions from 1981 to 2016. His research interests are in digital signal and image processing, biomedical signal and image analysis, and computer-aided diagnosis.

Dr. Rangayyan has published more than 160 papers in journals and 270 papers in proceedings of conferences. He has supervised or cosupervised 27 Master's theses, 17 Doctoral theses, and more than 50 researchers at various levels. He has been recognized with the 1997 and 2001 Research Excellence Awards of the Department of Electrical and Computer Engineering, the 1997 Research Award of the Faculty of Engineering, by appointment as "University Professor" (2003 to 2013) at the University of Calgary, and with an Outstanding Teaching Performance Award of the Schulich School of Engineering (2016). He is the author of two textbooks: "Biomedical Signal Analysis" (IEEE/ Wiley, 2002, 2015) and "Biomedical Image Analysis" (CRC, 2005). He has coauthored and coedited several other books, including "Color Image Processing with Biomedical Applications" (SPIE, 2011). He has been recognized with the 2013 IEEE Canada Outstanding Engineer Medal, the IEEE Third Millennium Medal (2000), and elected as Fellow, IEEE (2001); Fellow, Engineering Institute of Canada (2002); Fellow, American Institute for Medical and Biological Engineering (2003); Fellow, SPIE (2003); Fellow, Society for Imaging Informatics in Medicine (2007); Fellow, Canadian Medical and Biological Engineering Society (2007); Fellow, Canadian Academy of Engineering (2009); and Fellow, Royal Society of Canada (2016).

Dr. Rangayyan's research has been featured in many newsletters, magazines, and newspapers, as well as in several radio and television interviews. He has lectured in more than 20 countries and has held Visiting Professorships with the University of Liverpool, Liverpool, UK; Tampere University of Technology, Tampere, Finland; Universitatea Politehnica București, Bucharest, Romania; Universidade de São Paulo, São Paulo, Brasil; Universidade Estadual Paulista, Sorocaba, São Paulo, Brasil; Cleveland Clinic Foundation, Cleveland, OH, USA; Indian Institute of Science, Bangalore, Karnataka, India; Indian Institute of Technology, Kharagpur, West Bengal, India; Manipal Institute of Technology, Manipal, Karnataka, India; Amity University, Noida, India; Beijing University of Posts and Telecommunications, Beijing, China; Xiamen University, Xiamen, Fujian, China; Kyushu University, Fukuoka, Japan; University of Rome Tor Vergata, Rome, Italy; and École Nationale Supérieure des Télécommunications de Bretagne, Brest, France. He has been recognized as a Distinguished Lecturer by the IEEE Engineering in Medicine and Biology Society (EMBS), the University of Toronto, and the Hong Kong Institution of Engineers. He was an invited lecturer at the prestigious 11th IEEE EMBS International Summer School on Biomedical Imaging, Saint-Jacut de la Mer, Bretagne, France, 2014.

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